

Flowmeter Specification Sheet

00806-0100-4485, Rev AA

April 2013

Rosemount DP Flow

Rosemount DP Flowmeter Specification Sheet

	Differential Pressure Flowmeters				SHEET _____ OF _____		
	NO	BY	DATE	REVISION	SPEC. NO.	REV.	
					CONTRACT	DATE	
					REQ. - P.O.		
					BY	CHK'D	APPR

General	1	Tag Number			
	2	Service			
	3	Line No./ Meter Location			
Process Conditions	4	Line Size and Pipe Schedule <u>OR</u> Pipe ID and Wall Thickness			
	5	Pipe Material			
	6	Pipe Orientation			
	7	Fluid Name			
	8	Fluid State			
	9	Minimum Flow			
	10	Normal Flow			
	11	Maximum Flow			
	12	Normal Pressure			
	13	Normal Temperature			
	14	Base Pressure			
	15	Base Temperature			
	16	Specific Gravity at Base			
	17	Operating Specific Gravity			
	18	Mol. Weight	Cp/Cv		
	19	Operating Viscosity			



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SHEET _____ OF _____

Select Primary Element	20	Check one and fill in corresponding information below: <input type="checkbox"/> Orifice Plate <input type="checkbox"/> Averaging Pitot Tube <input type="checkbox"/> Other: _____		
	21	Integral Temperature <input type="checkbox"/> Yes <input type="checkbox"/> No		
Orifice Primary Element	22	Check one: <input type="checkbox"/> Standard (one hole plate) <input type="checkbox"/> Conditioning (multi-hole plate)		
	23	Beta = d/D		
	24	Orifice Bore Diameter		
	25	Plate Material		
	26	Vent or Drain Hole		
	27	Plate Thickness		
	28	Connection Type		
	29	Plate Type		
	30	Tap Type		
	31	Flange Type		
	32	Flange Rating		
	33	Flange Material		
	34	Standard (AGA, etc)		
Averaging Pitot Tube Primary Element	35	Sensor Material		
	36	Sensor Size		
	37	Mounting Style _____ Check all that apply: <input type="checkbox"/> Compression Sealing Mechanism <input type="checkbox"/> Opposite Side Support Required <input type="checkbox"/> Flanged - Flange Rating _____ <input type="checkbox"/> Threaded <input type="checkbox"/> Hot-Tap		
Other Primary Element	38	Body Material		
	39	Wetted Material		
	40	Pressure Rating		
	41	Tap Type		
	42	Beta Ratio		
	43	Bore Size		
	44	Throat Size		
	45	Flow Coefficient		
	46	Standard (AGA, etc)		
47	Other Information:			

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<i>Secondary Instrument (Transmitter)</i>	48	<i>Secondary Instrument Tag</i>			
	49	<i>Transmitter Mounting</i> Check one: <input type="checkbox"/> <i>Direct Mount</i> <input type="checkbox"/> <i>Remote Mount</i>			
	50	<i>Transmitter Type – Check one and fill out the corresponding calibration information below:</i> <input type="checkbox"/> <i>Mass or Energy Flow⁽¹⁾ - Compensation Level _____</i> <input type="checkbox"/> <i>Differential Pressure</i>			
	51	<i>Body Material</i>			
	52	<i>Wetted Material</i>			
	53	<i>Pressure Rating</i>			
	54	<i>Temperature Rating</i>			
<i>Flowmeter Calibration</i>	55	<i>Differential Pressure</i>	<i>LRV= _____</i>	<i>URV= _____</i>	<i>Units= _____</i>
	56	<i>Pressure</i>	<i>LRV= _____</i>	<i>URV= _____</i>	<i>Units= _____</i>
	57	<i>Temperature</i>	<i>LRV= _____</i>	<i>URV= _____</i>	<i>Units= _____</i>
<i>Notes</i>					

(1) Transmitter that provides real-time fully compensated mass, energy, and totalized flow by measuring differential pressure, static pressure, and process temperature

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